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Deputy Minister.

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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

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BULLETIN No. 146

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D R U G S

BISMUTH SUBNITRATE, POTASSIUM BROMIDE, PHENACETIN

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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA.

BULLETIN No. 146.

DRUGS.

Bismuth Subnitrate ; Potassium Bromide ; Phenacetin.

OTTAWA, January 25, 1908.

W. J. GERALD, Esq.,  
Deputy Minister of Inland Revenue.

SIR,—I have the honour to report upon 196 samples of Drugs, collected in December last ; and consisting of the following :—

Table I—Bismuth Subnitrate.....	55 samples.
“ II—Potassium Bromide.....	57 “
“ III—Phenacetin.....	84 “

Total..... 196

These were obtained in each of the (14) inspectoral districts of the Dominion, and doubtless represent, very fairly, the character of the drugs named, as sold throughout Canada.

It is very gratifying to know that, in no case has anything which could be properly called adulteration been found.

*Bismuth Subnitrate.* (See Table I). The percentage of Bismuth has been determined by conversion to the oxide. Tests for Lead, Arsenic and Carbonic Acid have been carefully made. With exception of two samples (Nos. 26355 and 31562), the requirements of the British Pharmacopœia were fully met.

The two samples excepted are *Oxy-carbonate of Bismuth*, and are manifestly furnished as errors in dispensing. These two preparations of Bismuth (Subnitrate and Oxy-carbonate) are so similar in their medicinal value that the error is not a serious one. But such errors should not occur.

*Potassium Bromide.* (See Table II). The British Pharmacopœia describes this drug as required to be within *one per cent* of chemical purity ; and to contain no trace of the heavy metals, or of Cyanides. In all these respects the whole of the 53 samples examined were found to be satisfactory.

*Phenacetin.* (See Table III). Six samples from each inspectoral district were examined as regards specific identity, and absence of Antifebrin (Acetanilide) and parphenetidin. All were found to be of requisite purity.

The analytical work herein has been done by Mr. Lemoine and Mr. Valin of this staff.

I beg to recommend the publication of this report as Bulletin No. 146.

I have the honour to be, Sir,  
Your obedient servant,

A. MCGILL,  
Chief Analyst.

TABLE

Date of Collection.	Nature of Sample	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cts.	
1907.				Oz.	Cts.	

*District of Nova Scotia—*

Dec. 3.	Bismuth subnitrate..	27379	Joe. Walsh, Halifax, N.S. ....	1½	35	National Drug Co., Halifax, N.S.
" 3.	"	27380	A. H. Buckley, Halifax, N.S. .	1½	45	Unknown. . . . .
" 3.	"	27381	National Drug, Halifax, N.S. .	1½	27	Vendor . . . . .
" 10.	"	27382	A. S. Hutchins, Liverpool ....	1½	45	National Drug Co., Halifax, N.S.

*District of Prince Edward Island—*

Dec. 4.	Bismuth subnitrate..	31205	Dr. J. McNeill, Summerside..	1½	45	National Drug Co., St. John, N.B.
" 4.	"	31206	A. W. P. Gcurlie, Summerside	1½	38	" " "
" 7.	"	31207	G. E. Hughes, Charlottetown.	1½	38	" " "
" 7.	"	31208	Red Cross Pharmacy, Charlotte-town.	1½	25	" " "

*District of New Brunswick—*

Dec. 6.	Bismuth subnitrate..	29624	E. Clinton Brown, St. John, N.B.	1½	45	The National Drug Co., Ltd., St. John, N.B.
" 18.	"	29625	J. McD. Cooke, Moncton, N.B.	1½	38	" " "
Jan. 4.	"	29626	Arthur J. Ryan, Fredericton, N.B.	1½	30	" " "
" 7.	"	29627	Garden Bros., Woodstock, N.B.	1½	38	" " "

*District of Quebec—*

Dec. 3.	Bismuth subnitrate..	26335	T. A. Peltier, 148 Notre Dame	1½	60	National Drug Co. ....
" 3.	"	26354	R. W. Williams, coin Notre Dame et Platon.	1½	38	" Montreal
" 3.	"	26355	T. A. Peltier, 148 Notre Dame	1½	90	" .....
" 3.	"	26357	L. P. Normand, 32 rue des Forges.	1½	30	" .....

*District of St. Hyacinthe—*

Dec. 12.	Bismuth subnitrate..	27930	Dr. P. A. Bédard, Drummond-ville.	1½	75	National Drug Co., Montreal.
" 2.	"	27931	Dr. Guay, St. Jean. ....	1½	35	Not known. ....
" 5.	"	27932	W. H. Griffith, Sherbrooke...	1½	50	National Drug Co., Montreal.
" 10.	"	27933	Dr. Sylvester, Sorel .....	1½	35	" " "

I.

Inspector's Report.	RESULTS OF ANALYSIS.				Opinion of the Chief Analyst.
	Bismuth Oxide.	Lead.	Arsenic.	Carbonate.	
	p. c.				

*R. J. Waugh, Inspector.*

.....	81.0	None...	None...	None...	Genuine.
.....	80.7	"	"	"	"
.....	80.9	"	"	"	"
.....	81.0	"	"	"	"

*T. Moore, Inspector.*

.....	82.9	None...	None...	None...	Genuine.
.....	80.6	"	"	"	"
.....	81.1	"	"	"	"
.....	80.9	"	"	"	"

*J. C. Ferguson, Inspector.*

.....	81.4	None...	None...	None...	Genuine.
From 1 lb. stock bottle.....	80.6	"	"	"	"
From stock bottle in store.....	81.0	"	"	"	"
" " .....	80.2	"	"	"	"

*E. Beland, Inspector.*

.....	80.4	None...	None...	None...	Genuine.
.....	81.1	"	"	"	"
.....	80.8	"	"	Present. CO <sub>2</sub> Approx. 9 (Français).	ate also present
.....	80.3	"	"	None...	Genuine.

*J. C. Rouleau, Inspector.*

.....	80.7	None...	None...	None...	Genuine.
From 1 lb. package.....	80.6	"	"	"	"
.....	80.3	"	"	"	"
.....	81.0	"	"	"	"

TABLE

Date of Collection.	Name of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity.	Cts.	
1907.				Oz.		
<i>District of Montreal—</i>						
Dec. 3.	Bismuth subnitrate..	31559	E. Ethier, Montreal .....	1½	35	Lyman-Knox Co., Montreal
" 5.	" ..	31562	Joseph Pigeon, Montreal .....	1½	38	Not known.....
" 5.	" ..	31566	A. Lebeau, Montreal .....	1½	75	Lyman, Sons & Co., Montreal.
" 11.	" ..	31567	S. Gilbert, St. Jerome, Que... ..	1½	30	Lyman-Knox Co.....
<i>District of Ottawa—</i>						
Dec. 9.	Bismuth subnitrate..	34071	F. W. Day, Ottawa .....	1½	45	E. B. Shuttleworth, Chem. Co., Toronto.
" 9.	" ..	34072	Weldon J. Graham, Ottawa ..	1½	60	Burroughs, Weloom & Co., London, England.
" 13.	" ..	34073	C. A. MacHaffie, Cornwall ...	1½	40	Lyman, Sons & Co., Montreal.
" 17.	" ..	34074	Johnston's Drug Store, Arnprior.	1½	75	National Drug Co., Ottawa
<i>District of Kingston—</i>						
Dec. 3.	Bismuth subnitrate..	32497	F. C. Clarke, Belleville.....	1½	45	National Drug Co., Montreal.
" 3.	" ..	32498	D. M. Waters, Belleville.....	1½	38	Mallinckrodt, N.Y.....
" 4.	" ..	32499	S. H. Macdonald, Peterborough	1½	30	Lyman and Sons, Montreal.
" 4.	" ..	32500	J. D. Tully, Peterborough....	1½	30	Hawes, England.....
<i>District of Toronto—</i>						
Dec. 11.	Bismuth subnitrate..	33387	W. J. MacFadden, Orillia....	1½	35	Elliot & Co. of Nat. Drug Co., Toronto.
" 12.	" ..	33388	D. H. MacLaren, Barrie.....	1½	50	Nat. Drug & Chem. Co., Montreal.
" 12.	" ..	33389	F. G. Muxlow, Meaford....	1½	39	Howard & Sons, E. C.....
" 17.	" ..	33390	T. Stevenson, Orangeville.....	1½	30	Lyman Bros., Toronto....
<i>District of London—</i>						
Nov. 29.	Bismuth subnitrate..	35043	John Roberts, Seaforth.. ...	1½	30	Elliot & Co., Toronto.....
Dec. 20.	" ..	35011	Clark Bros., Berlin.....	1½	60	Howard & Sons, .....
" 24.	" ..	35012	H. O. Fleming, Windsor.....	1½	29	Merck, Darmstadt.....



1—Continued.

Inspector's Report.	RESULTS OF ANALYSIS.				Opinion of the Chief Analyst.
	Bismuth Oxide.	Lead.	Arsenic.	Carbonate.	
	p. c.				

*J. J. Costigan, Inspector.*

.....	81.2	None...	None...	None...	Genuine.
.....	82.0	"	"	Present.	CO <sub>2</sub> Approx., 9 p.c.; nitrate also present.
.....	80.0	"	"	None...	Genuine.
.....	80.4	"	"	"	"

*J. A. Riskey, Inspector.*

.....	80.0	None...	None...	None...	Genuine.
.....	80.2	"	"	"	"
.....	80.7	"	"	"	"
.....	79.8	"	"	"	"

*J. Zogan, Inspector.*

.....	80.4	None...	None...	None...	Genuine.
.....	80.0	"	"	"	"
.....	80.5	"	"	"	"
.....	81.0	"	"	"	"

*H. J. Dager, Inspector.*

Sample taken from stock bottle on shelf.	80.9	None...	None...	None...	Genuine.
" " "	80.4	"	"	"	"
Original was labelled Howard & Sons, C. E.	79.8	"	"	"	"
Sample taken from stock bottle.	80.9	"	"	"	"

*S. Kidd, Inspector.*

.....	82.0	None...	None...	None...	Genuine.
Sample taken from stock bottle.	80.0	"	"	"	"
Vendor keeps sample in stock bottle. Buys in 1 oz. pkgs.	80.8	"	"	"	"

TABLE

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.
					Cts.	
1907.				On.	Cts.	

*District of Manitoba—*

Dec. 10.	Bismuth subnitrate.	25656	G. McCulloch, Brandon .....	1½	30	Lyman Bros., Toronto.....
" 10.	"	25664	Kennedy's Pharmacy, Brandon .....	1½	30	The Bole Drug Co., Winni-
" 12.	"	25682	M. Ruckle, Winnipeg .....	1½	35	peg, Man.
" 16.	"	25695	Dunkin's Drug Store, Portage la Prairie.....	1½	75	" " .. Not given.....

*District of Calgary—*

Jan. 8.	Bismuth subnitrate..	28842	Bole Drug Co., Calgary.....	1½	30	Nat. Drug Co., Montreal..
" 8.	"	28843	Oliver Bros., Calgary.....	1½	30	" " " ..
" 8.	"	28844	Curry & Cope, Calgary.....	1½	30	" " " ..
" 8.	"	28845	W. McLean, Calgary.....	1½	30	" " " ..

*District of Vancouver—*

Dec. 17.	Bismuth subnitrate..	32187	Woods Pharmacy, Vancouver.	1½	45	Henderson Bros., Vancou-
" 17.	"	32188	J. W. Morrow, Vancouver....	1½	50	ver. W. J. Bush & Co., London,
" 17.	"	32189	Woodward's Dept. Store, Van-	1½	40	Eng. Henderson Bros., Vancou-
" 17.	"	32190	couver .....	1½	70	ver. " " ..
			The McDowell, Atkins, Wat-			
			kins Co.....			

*District of Victoria—*

Dec. 12.	Bismuth subnitrate..	34801	E. Pimbury & Co., Nanaimo,	1½	35	Lyman Bros., Toronto.
1908.	"		B.C.			
Jan. 28.	"	34834	D. E. Campbell, Victoria, B.C.	1½	35	Malunkrodt Chem. Co.,
" 28.	"	34837	Terry & Maret, " ..	1½	35	N.Y.
" 28.	"	34840	George Moran, " ..	1½	35	" " " Nat. Drug Co., Montreal.

## I—Concluded.

Inspectors' Report.	RESULTS OF ANALYSIS.				Opinion of the Chief Analyst.
	Bismuth Oxide.	Lead.	Arsenic.	Carbonate.	
	P. c.				

*A. C. Larivière, Inspector.*

.....	79.7	None...	None...	None...	Genuine.
.....	80.2	" .....	" .....	" .....	"
.....	80.7	" .....	" .....	" .....	"
.....	80.5	" .....	" .....	" .....	"

*R. W. Fletcher, Inspector.*

.....	81.0	None...	None...	None...	Genuine.
.....	81.3	" .....	" .....	" .....	"
.....	80.3	" .....	" .....	" .....	"
.....	82.0	" .....	" .....	" .....	"

*E. B. Parkinson, Inspector.*

.....	80.3	None...	None...	None...	Genuine.
.....	79.3	" .....	" .....	" .....	"
.....	80.3	" .....	" .....	" .....	"
.....	81.8	" .....	" .....	" .....	"

*D. O. Sullivan, Inspector.*

.....	80.0	None...	None...	None...	Genuine.
.....	79.9	" .....	" .....	" .....	"
.....	79.8	" .....	" .....	" .....	"
.....	80.4	" .....	" .....	" .....	"

TABLE II.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Results of Analysis.		Opinion of the Chief Analyst.
				Quantity.	Ch.			Ag NO <sub>3</sub> N cc. per gramme.	Potassium Bromide.	
1907.				Oz.	Ch.				P.c.	
<i>District of Nova Scotia—R. J. Waugh, Inspector.</i>										
Dec. 1.	Potassium Bromide.	27385	Jas. Walsh, Halifax, N.S.	1½		15 National Drug Co., Halifax, N.S.	.....	83.6	99.48	Pharmaceutically, pure.
" 3.	"	27384	A. H. Buckley "	1½		5 Unknown "	.....	84.2	100.29	" "
" 4.	"	27385	Nat. Drug Co. "	1½		15 Powers & Weightman, Philadelphia.	.....	84.6	100.67	" "
" 1.	"	27386	M. P. McCaffery "	1½		30 Can. Drug Co., St. John, N.B.	.....	84.2	100.29	" "
<i>District of Prince Edward Island—T. Moore, Inspector.</i>										
Dec. 4.	Potassium Bromide.	31209	Dr. J. McNeill, Summerside.	1½		10 Nat. Drug Co., Halifax, N.S.	.....	84.0	99.96	Pharmaceutically, pure.
" 4.	"	31210	P. N. Eaman, Summerside.	1½		15 " "	.....	84.0	99.96	" "
" 4.	"	31211	A. W. Reddin, Charlottetown.	1½		15 Lyman & Sons, Montreal.	.....	88.6	99.48	" "
" 4.	"	31212	G. E. Hughes, Charlottetown.	1½		15 Nat. Drug Co., Halifax, N.S.	.....	83.8	99.72	" "
<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>										
Dec. 6.	Potassium Bromide.	29628	W. Hawker & Son, St. John, N.B.	1½		30 Evans & Son, Montreal.	.....	84.6	100.67	Pharmaceutically, pure.
" 19.	"	29629	A. E. Shaw, Newcastle, N.B.	1½		15 Nat. Drug Co., Ltd., St. John, N.B.	.....	84.4	100.43	" "
" 18.	"	29630	Francis McKay, Moncton.	1½		15 Powers & Weightman, Philadelphia.	.....	84.6	100.67	" "
Jan. 7.	"	29631	The Sheagreen Drug Co., Woodstock, N.B.	1½		15 Nat. Drug & Chem. Co., Ltd., St. John, N.B.	From stock bottle in store.	84.0	99.96	" "



*District of Quebec—E. Beland, Inspector.*

Dec. 3.	Potassium Bromide	26358	R. W. Williams, Coin Notre-Dame et Peaton.	1½	15	Lyman Knox Co.	84-6	100-67	Pharmacopoeally, pure.
" 3.	"	26359	T. A. Feltier, 146 Notre- Dame.	1½	15	National Co.	84-0	99-96	"
" 4.	"	26360	L. P. Normand, 33 Rue des Forges.	1½	12	Lyman Son Co.	84-6	100-67	"
" 4.	"	26361	" " "	1½	5	"	84-6	100-67	"

*District of St. Hyacinthe—J. C. Rouleau, Inspector.*

Dec. 3.	Potassium Bromide	27935	Dr. O. Demers, Farnham	1½	15	Lyman Knox, Montreal	84-4	100-43	Pharmacopoeally, pure.
" 5.	"	27936	F. D. Hewitt, Sherbrooke	1½	15	National Drug	84-6	100-67	"
" 6.	"	27937	Dr. Laurendeau, Victoria- ville.	1½	15	Not known	84-2	100-29	"
" 11.	"	27938	Dr. P. E. Gelinas, Pierre- ville.	1½	15	Nat. Drug, Montreal	84-4	100-43	"

*District of Montreal—J. J. Costigan, Inspector.*

Dec. 3.	Potassium Bromide	31560	E. Ethier, Montreal	1½	15	Lyman Knox Co., Montreal	84-4	100-43	Pharmacopoeally, pure.
" 5.	"	31563	Joseph Pigeon, Montreal	1½	15	Not known	84-4	100-43	"
" 11.	"	31568	S. Gilbert, St. Jerome, P. Q.	1½	10	Kent & Stevenson, Mon real.	84-6	100-67	"
" 13.	"	31670	J. T. Gaudet, Juliette	1½	15	"	84-6	100-67	"

*District of Ottawa—J. A. Bekey, Inspector.*

Dec. 9.	Potassium Bromide	34075	A. J. Brownke, Ottawa	1½	15	Lyman Sons	83-8	99-73	Pharmacopoeally, pure.
" 9.	"	34076	R. M. Arbutnot, Ottawa	1½	15	Nat. Drug & Chem. Co.	84-0	99-96	"
" 13.	"	34077	Medical Hall Co., Cornwall.	1½	15	Not known	84-6	100-67	"
" 17.	"	34078	C. A. Ramshaw, Armitior.	1½	15	"	83-8	99-73	"

*District of Kingston—J. Hogan, Inspector.*

Dec. 3.	Potassium Bromide	33057	F. C. Clark, Belleville	1½	15	Nat. Drug Co., Montreal	84-6	100-67	Pharmacopoeally, pure.
" 3.	"	33058	D. M. Waters, Belleville	1½	15	Lyman, Montr-el	84-2	100-29	"
" 4.	"	33059	S. H. MacDonald, Peter- borough	1½	15	Lyman Sons, Montreal	84-6	100-67	"
" 4.	"	33060	J. D. Tully, Peterborough	1½	15	Nat. Drug Co., Montreal	84-2	100-29	"

TABLE II.—Continued.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Results of Analysis.		Opinion of the Chief Analyst.
				Quantity.	Cts.			Ag. No. $\frac{N}{10}$ cc. per gramme.	Potassium Bromide.	
1907.				Oz.	cts.				p.e.	
<i>District of Toronto—H. J. Deger, Inspector.</i>										
Dec. 13.	Potassium Bromide.	33391	Wm. Crossland, Barrie....	1½	15	Drug Trading Co., Toronto	Sample taken from stock bottle.	83.8	99.72	Pharmaceutically, pure.
" 13.	"	33392	Thos. McConell, Meaford.	1½	15	Donn. Drug Co., Hamilton.	" "	84.4	100.43	"
" 18.	"	33393	S. C. Hutton, Owen Sound	1½	15	Lyman, Knox and Clark-son, Toronto.	Sample taken from original package	84.2	100.29	"
" 19.	"	33394	G. A. Ramsden, Georgetown	1½	15	Nat. Drug Co., Toronto...	Sample taken from stock bottle.	83.8	99.72	"
<i>District of London—T. Kidd, Inspector and H. J. Deger, Acting Inspector.</i>										
Nov. 30.	Potassium Bromide	30446	S. E. Hicks, Druggist. ....	1½	25	Lyman Brothers, Toronto.		84.6	100.67	Pharmaceutically, pure.
Dec. 2.	"	30452	A. McKen, Stratford. ....	1½	15	Donn. Drug Co., Hamilton.		84.6	100.67	"
" 6.	"	30462	Charles Aberhart, Seaforth	1½	30	Elliot & Co., Toronto....		84.4	100.43	"
" 26.	"	35009	S. F. Park & Co., Chatham	1½	15	Donn. Drug Co., Hamilton.	Sample taken from stock bottle.	83.8	99.72	"
" 27.	"	36010	J. E. Platt London.....	1½	15	Nat. Drug Co., London...	Sample taken from stock bottle. Vendor says it is pure.	83.8	99.72	"
<i>District of Manitoba—A. C. Larivière, Inspector.</i>										
Dec. 10.	Potassium Bromide	25657	G. McCulloch, Brandon....	1½	30	Lyman Brothers, Toronto.		84.0	99.96	Pharmaceutically, pure.
" 10.	"	25666	Kennedy's Pharmacy, Brandon.	1½	26	The Bole Drug Co., Winnipeg.		84.0	99.96	"
" 12.	"	25683	M. Ruckee, Winnipeg.....	1½	15	Nx given.		84.0	99.96	"
" 16.	"	25696	Dunkin's Drug Store, Portage la Prairie.	1½	15	"		84.2	100.29	"

*District of Calgary—R. W. Fletcher, Inspector.*

Jan. 8.	Potassium Bromide.	28846 Bole Drug Co., Calgary.	14	10 Unknown	84 0	99 96	Pharmacopoeially, pure.
" 8.	"	28847 Oliver Bros., Calgary.	14	80 Nat. Drug Co., Montreal.	84 2	100 29	"
" 8.	"	28848 Curry & Cope, Calgary.	14	10 " "	84 0	99 96	"
" 8.	"	28849 W. McLean, Calgary.	14	10 " "	84 2	100 29	"

*District of Vancouver—E. B. Parkinson, Inspector.*

Dec. 17.	Potassium Bromide.	32191 Woods' Pharmacy, Vancouver.	14	25 Henderson Bros., Vancouver.	84 2	100 29	Pharmacopoeially, pure.
" 17.	"	32192 J. W. Morrow, Vancouver.	14	25 W. J. Bush & Co., London, ver.	84 0	99 96	"
" 17.	"	32193 Woodward Dept. Stores, Vancouver.	14	15 Henderson Bros., Vancouver, Eng.	84 0	99 96	"
" 17.	"	32194 The McDowell, Atkins, Watkins Co., Vancouver.	14	25 " ver.	83 8	99 72	"

*District of Victoria—D. O. Sullivan, Inspector.*

Dec. 12. 1904.	Potassium Bromide.	34803 E. Pimbury & Co., Nanaimo, B.C.	14	25 Nat. Drug & Chem. Co., Canada.	83 6	99 48	Pharmacopoeially, pure.
Jan. 28.	"	34835 D. E. Campbell, Victoria, B.C.	14	30 Lyman Sons, Montreal.	84 0	99 96	"
" 28.	"	34838 Terry & Maret, Victoria, B.C.	14	25 " "	84 4	100 41	"
" 28.	"	34841 Geo. Morrison, Victoria, B.C.	14	80 Nat. Drug Co., Montreal.	84 2	100 19	"

TABLE III.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cont.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Results of Analysis.			Opinion of the Chief Analyst.
				Quantity.	Oz.			Identification Test.	Antifebrine (Acetanilide).	Paraphenetidine.	
1907.											

## District of Nova Scotia—R. J. Waugh, Inspector.

Dec. 3.	Phenacetin.	27387	National Drugs, Halifax.	1½	0.30	Baile Chem. Works Switzerland.		Present.	None.	None.	Genuine.
" 4.	"	27388	C. A. Barnstead	1½	0.36	Unknown.		"	"	"	"
" 4.	"	27389	C. S. Huggins	1½	0.53	F. Bayer, Elberfeld, Ger.		"	"	"	"
" 4.	"	27390	A. W. Cameron	1½	0.55	"		"	"	"	"
" 4.	"	27391	M. P. Caffery	1½	0.55	Nat. Drug Co.		"	"	"	"
" 5.	"	27392	Irwin & Sons	1½	0.75	F. Bayer, Elberfeld, Ger.		"	"	"	"

## District of Prince Edward Island—T. Moore, Inspector.

Dec. 3.	Phenacetin.	31213	Johnson & Johnson, Charlottetown.	1½	0.39	E. Merck, Germany.		Present.	None.	None.	Genuine.
" 4.	"	31214	A. W. P. Gourlie, Summerside.	1½	0.45	Nat. Drug Co., St. John, N.B.		"	"	"	"
" 5.	"	31215	Jardine & Bernard, Kensington.	1½	0.50	C. F. Boehringer & Sons, Germany.		"	"	"	"
" 5.	"	31216	E. Keir, Kensington.	1½	0.45	E. Merck, Germany.		"	"	"	"
" 7.	"	31217	A. W. Reddin, Charlottetown.	1½	0.45	Bayer & Co., Elberfeld, Ger.		"	"	"	"
" 9.	"	31218	C. D. Rankin, Charlottetown.	1½	0.60	Evans Sons, Leecher & Webb, Liverpool, G.B.		"	"	"	"



*District of St. E. Brunswick—J. C. Ferguson, Inspector.*

Dec.	Phenacetin.....	28632 The Nat. Drug and Chem. Co., Ltd., St. John, N.B.	3	1 50	Fred. Bayer, Elberfeld, Ger.	No. 184 on package.....	Present.	Name.	Genuine.
" 12.	"	28633 Geo. A. Moore "	1 1/2	0 60	"	Sample taken from original package.	"	"	"
" 18.	"	28634 Fairweather Bros., Montreal, N.B.	1 1/2	0 30	"	"	"	"	"
" 21.	"	28635 A. W. G. McDermid, Campbellton, N.B.	1 1/2	0 75	"	"	"	"	"
Jan. 4.	"	28636 Alanzo Staples, Fredericton, N.B.	1 1/2	0 50	The Can. Drug Co., Ltd., St. John, N.B.	From stock, bottle, Merck's, Germany.	"	"	"
" 7.	"	28637 E. W. Mair, Woodstock, N.B.	1 1/2	0 30	E. Merck, Darmstadt, Ger.	From original 1st package, on package, made in Ger.	"	"	"

*District of Quebec—E. Beland, Inspector.*

Dec.	Phenacetin.....	28632 R. W. Williams, coin Notre-Dame et Platon.	1 1/2	0 40	Lyman Knux.....	Present.	Name.	Genuine.
" 3.	"	28633 S. A. Peltier, 148 N. Dame.	1 1/2	0 25	"	"	"	"
" 4.	"	28634 L. P. Normand, 32 rue des Forges.	1 1/2	0 20	Lyman Sons Co.	"	"	"
" 11.	"	28635 O. T. Dion, Levin.....	1 1/2	0 75	Bayer.....	"	"	"
" 12.	"	28636 W. Brunet et Cie, Quebec.	3	1 05	"	"	"	"
" 13.	"	28637 L. E. Martel "	3	0 65	"	"	"	"

*District of St. Hyacinthe—J. C. Boulcan, Inspector.*

Dec.	Phenacetin.....	27930 Dr. O. Demers, Farnham.	1 1/2	0 40	Polson, Kingston, Ont.....	Present.	Name.	Genuine.
" 4.	"	27940 Dr. G. A. Coderre, Megantic.	1 1/2	0 75	Lyman Knux, Montreal...	Box marked Para-scopphenetidin powdered, made in Switzerland, 33388.	"	"
" 4.	"	27941 "	1 1/2	0 40	"	Box marked No. 400086, T. Bayer & Co.	"	"
" 4.	"	27942 J. C. Sutherland, Richmond.	1 1/2	0 37	"	Box marked Para-scopphenetidin, E. Merck, Germany.	"	"
" 6.	"	27943 Dr. J. P. H. Massicotte, Victoriaville.	1 1/2	0 75	Dr. Peltier, Victoriaville.	Jar marked Phenacetine...	"	"
" 10.	"	27944 P. E. Chevalier, Sorel....	1 1/2	0 45	Not known.	"	"	"





TABLE III—Continued.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.	Results of Analysis.			Opinion of the Chief Analyst.
				Quantity.	Oz.			Identificalion Test.	Antifebrine (Acetanilide).	Paraphenetidine.	
<i>District of Manitoba—A. C. Lavigne, Inspector.</i>											
Dec. 10.	Phenacetin.	25658	G. McCulloch, Red Cross Drug Co., Brandon.	1 1/2	0 75	E. Merck, Darmstadt, Ger.	.....	.....	.....	.....	Genuine.
" 10.	"	25659	Kennedy's Pharmacy, Brandon.	1 1/2	0 60	"	.....	.....	.....	.....	"
" 12.	"	25684	M. Ruckes, Winnipeg.	1 1/2	0 40	The Boll Drug Co., Winnipeg.	.....	.....	.....	.....	"
" 16.	"	25697	Cowan's Drug Store, Portage la Prairie.	1 1/2	0 75	Not given.	.....	.....	.....	.....	"
" 16.	"	25700	J. K. Hall, Portage la Prairie.	1 1/2	0 75	E. Merck, Darmstadt, Ger.	.....	.....	.....	.....	"
" 18.	"	25846	Harrison Bros., Winnipeg.	1 1/2	0 45	Not given.	.....	.....	.....	.....	"
<i>District of Calgary—R. W. Fletcher, Inspector.</i>											
Jan. 8.	Phenacetin.	28850	O. H. Bott, Calgary.	1 1/2	0 30	E. Merck, Darmstadt.	.....	.....	.....	.....	Genuine.
" 8.	"	28851	Boll Drug Co., Calgary.	1 1/2	0 30	Unknown.	.....	.....	.....	.....	"
" 8.	"	28852	Oliver Bros., Calgary.	1 1/2	0 30	Bayer & Co., Germany.	.....	.....	.....	.....	"
" 8.	"	28853	Curry & Cope, Calgary.	1 1/2	0 30	"	.....	.....	.....	.....	"
" 8.	"	28854	C. A. Wallace, Calgary.	1 1/2	0 30	"	.....	.....	.....	.....	"
" 8.	"	28855	W. McLean, Calgary.	1 1/2	0 30	"	.....	.....	.....	.....	"



## District of Vancouver—E. B. Parkinson, Inspector.

Dec. 17.	Phenacetin..	32185	Wood's Pharmacy, Van- couver.	1 1/2	0 00	The Dom. Drug & Chem. Co., Hamilton.	Present.	Name.	Genuine.
" 17.	"	32186	J. W. Morrow, Vancouver	1 1/2	0 75	Henderson Bros. Vancouver	"	"	"
" 17.	"	32187	Woodward's Dept. Stores, Vancouver.	1 1/2	0 75	Dom. Drug and Chem. Co., Hamilton.	"	"	"
" 17.	"	32188	The McDowell Atkins Wat- kins Co.	1 1/2	0 85	J. D. Riedel, Berlin, Ger.	"	"	"
" 17.	"	32189	The Red Cross Drug Store, Vancouver.	1 1/2	0 00	Friede Bayer & Co., Elber- feld, Pr. sia.	"	"	"
" 17.	"	32200	Terry & Maret, Vancouver	1 1/2	0 75	F. Hoffman, Laroche & Co., Basel, Switzerland.	"	"	"

## District of Victoria—D. O. Sullivan, Inspector.

Dec. 12. 1908.	Phenacetin..	34892	E. Pinbury & Co., Na- namo, B.C.	1 1/2	0 25	Henderson Bros., Van couver.	Present.	Name.	Genuine.
Jan. 28.	"	34893	D. E. Campbell, Victoria, B.C.	1 1/2	0 90	Fred. Bayer & Co., Elber- feld, Ger.	"	"	"
" 28.	"	34894	Terry & Maret, Victoria, B.C.	1 1/2	0 50	Lynman & Sons, Montreal.	"	"	"
" 28.	"	34842	G. A. Fraser, Victoria, B.C.	1 1/2	0 00	Fred. Bayer & Co., Elber- feld, Ger.	"	"	"
" 28.	"	34843	Hall & Co., "	1 1/2	1 00	"	"	"	"
" 28.	"	34844	Geo. Morrison, "	1 1/2	0 50	"	"	"	"